



# South Coast Air Quality Management District

21865 Copley Drive, Diamond Bar, CA 91765-4178  
(909) 396-2000 • www.aqmd.gov

August 12, 2014  
S/T File: C14000, C14001  
(Final Certification)

Keith Speak  
Plant Manager  
Desert View Power, Inc.  
62-300 Gene Welmas Drive  
Mecca, CA 92254

(CEMS Modification - Correction)

Subject: Final Certification of Non-RECLAIM CEMS:  
Boiler No. 1  
Boiler No. 2

Dear Mr. Speak:

I have completed the evaluation of your CEMS (Continuous Emissions Monitoring System) certification report for the Desert View Power, Inc. Boiler No. 1 and Boiler No. 2. This evaluation was made to determine if certification could be granted based on having complied with all the monitoring, reporting, and recordkeeping requirements of the applicable protocols found in District Rules 218 and 218.1.

This letter serves as an official notification of final certification for the CEMS, and all the associated mechanical and electronic components (excluding the RTU) at your facility serving the devices described in the accompanying attachment, "REGULATION XX RECLAIM, EPA Acid Rain, and NON-RECLAIM CEMS FINAL CERTIFICATION: Specific Device-Based Information and Conditions". If the CEMS information in the accompanying attachments is not accurate, please notify me as soon as possible at (909) 396-2244. Also, please remember to notify the District for direction, prior to replacement or modification of the described CEMS or the device(s) that it serves, since such modifications may change the compliance status of the affected CEMS. Again, thank you for your continued cooperation and support.

We appreciate the diligent and cooperative efforts you have shown in support of RECLAIM (Regional Clean Air Incentive Market) Regulation XX, Rules 218 and 218.1 and 40 CFR 75 concerning the implementation of the CEMS (Continuous Emissions Monitoring System) program at the Desert View Power, Inc.

Sincerely,

Michael A. Cecconi, Senior Air Quality Engineer  
Source Test Engineering

Attachment

cc: David Jones

## SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT

### NON-RECLAIM CEMS FINAL CERTIFICATION:

#### Specific Device-Based Information and Conditions

(This document must be displayed on or near strip chart recorder)

Name of Facility: Desert View Power, Inc.  
Certification Test Date: April 8, 2014 (for NO<sub>x</sub> at Boiler No. 1)  
April 8, 2014 (for SO<sub>2</sub> at Boiler No. 1)  
April 8, 2014 (for CO at Boiler No. 1)  
April 8, 2014 (for NO<sub>x</sub> at Boiler No. 2)  
April 8, 2014 (for SO<sub>2</sub> at Boiler No. 2)  
April 8, 2014 (for CO at Boiler No. 2)  
June 28, 1994 (for opacity at Boiler No. 1)  
Effective Date for Valid Data: April 8, 2014 (for NO<sub>x</sub> at Boiler No. 1)  
April 8, 2014 (for SO<sub>2</sub> at Boiler No. 1)  
April 8, 2014 (for CO at Boiler No. 1)  
April 8, 2014 (for NO<sub>x</sub> at Boiler No. 2)  
April 8, 2014 (for SO<sub>2</sub> at Boiler No. 2)  
April 8, 2014 (for CO at Boiler No. 2)  
June 28, 1994 (for opacity at Boiler No. 2)  
Equipment Description: Boiler No. 1  
Boiler No. 2  
Mailing Address: 62-300 Gene Welmas Drive  
Mecca, CA 92254  
Equipment Location: 62-300 Gene Welmas Dr., Mecca, CA 92254

- A. The components described below comprise the "CEMS" which has been granted Final Certification or Approval and they may not be changed or modified without prior District approval. (Unauthorized modification to the components shown below may void CEMS certification, and result in non-compliance with District RECLAIM Rules 2011 & 2012. Be sure the information below is correct. Contact your District Source Testing representative if there are any questions):

### Boiler No. 1

#### Gaseous Emission Measurement Analyzer:

Gaseous Component Monitored	Manufacturer	Model No.	Serial No.	Method of Detection	Certified Range(s)
NO <sub>x</sub>	California Analytical Instruments	ZRE-C2COS2NOO2P	A3F4992T	Non-Dispersive Infrared (NDIR) with an external vitreous carbon NO <sub>2</sub> -to-NO converter	0-100 ppm 0-500 ppm
SO <sub>2</sub>	California Analytical Instruments	ZRE-C2COS2NOO2P	A3F4992T	Non-Dispersive Infrared (NDIR)	0-50 ppm 0-500ppm
CO	California Analytical Instruments	ZRE-C2COS2NOO2P	A3F4992T	Non-Dispersive Infrared (NDIR)	0-10 ppm 0-2000 ppm

Gaseous Component Monitored	Manufacturer	Model No.	Serial No.	Method of Detection	Certified Range(s)
CO <sub>2</sub>	California Analytical Instruments	ZRE-C2COS2N002P	A3F4992T	Non-Dispersive Infrared (NDIR)	0-20 %
Dry O <sub>2</sub>	California Analytical Instruments	ZRE-C2COS2N002P	A3F4992T	Paramagnetic	0-25 %
Wet O <sub>2</sub>	Thermox	WDG-Series 2000	10212255-3	Zirconium Oxide Cell	0-25 %
Opacity	Monitor Labs	Lighthawk 560	5600142	Dual-Pass	0-100%

Fuel or Flue Gas Flow Measurement Analyzer

Instrument Type	Manufacturer	Model No.	Serial No.
Annubar Stack Flow Monitor (0-20,000 DSCFH)	Dieterich Standard	70	N/A

Supporting Equipment (Data Acquisition, Reduction, and Recording) Excluding RTU

Type	Manufacturer	Model No.	Serial No.
DAHS Computer	Allen Bradley	Panel View Plus 600	N/A
PLC	Allen Bradley	Compact Logix	N/A
PLC Data Control Unit	Allen Bradley	Compact Logix	N/A
Electronic Data Recorder Software Package	Dell	CeDar	N/A
Electronic Data Recorder	Dell	Optiplex 980	N/A

DAS, PLC Programming Formulas and Correction Factors

Parameter	Formula
NO <sub>x</sub> Concentration	as specified in CEMS application
SO <sub>2</sub> Concentration	as specified in CEMS application
CO Concentration	as specified in CEMS application
CO <sub>2</sub> Concentration	as specified in CEMS application
O <sub>2</sub> Concentration	as specified in CEMS application
Stack Flow Rate*	as specified in CEMS application*
NO <sub>x</sub> Emission Rate	as specified in CEMS application
SO <sub>2</sub> Emission Rate	as specified in CEMS application
CO Emission Rate	as specified in CEMS application

## Boiler No. 2

Gaseous Emission Measurement Analyzer:

Gaseous Component Monitored	Manufacturer	Model No.	Serial No.	Method of Detection	Certified Range(s)
NO <sub>x</sub>	California Analytical Instruments	ZRE-C2COS2N002P	A3F4993T	Non-Dispersive Infrared (NDIR) with an external vitreous carbon NO <sub>2</sub> -to-NO converter	0-100 ppm 0-500 ppm

Gaseous Component Monitored	Manufacturer	Model No.	Serial No.	Method of Detection	Certified Range(s)
SO <sub>2</sub>	California Analytical Instruments	ZRE-C2COS2N002P	A3F4993T	Non-Dispersive Infrared (NDIR)	0-50 ppm 0-500ppm
CO	California Analytical Instruments	ZRE-C2COS2N002P	A3F4993T	Non-Dispersive Infrared (NDIR)	0-10 ppm 0-2000 ppm
CO <sub>2</sub>	California Analytical Instruments	ZRE-C2COS2N002P	A3F4993T	Non-Dispersive Infrared (NDIR)	0-20 %
Dry O <sub>2</sub>	California Analytical Instruments	ZRE-C2COS2N002P	A3F4993T	Paramagnetic	0-25 %
Wet O <sub>2</sub>	Thermox	WDG-Series 2000	10212255-1	Zirconium Oxide Cell	0-25 %
Opacity	Monitor Labs	Lighthawk 560	5600142	Dual-Pass	0-100%

Fuel or Flue Gas Flow Measurement Analyzer

Instrument Type	Manufacturer	Model No.	Serial No.
Annubar Stack Flow Monitor (0-20,000 DSCFH)	Dieterich Standard	70	N/A

Supporting Equipment (Data Acquisition, Reduction, and Recording) Excluding RTU

Type	Manufacturer	Model No.	Serial No.
DAHS Computer	Allen Bradley	Panel View Plus 600	N/A
PLC	Allen Bradley	Compact Logix	N/A
PLC Data Control Unit	Allen Bradley	Compact Logix	N/A
Electronic Data Recorder Software Package	Dell	CeDar	N/A
Electronic Data Recorder	Dell	Optiplex 980	N/A

DAS, PLC Programming Formulas and Correction Factors

Parameter	Formula
NO <sub>x</sub> Concentration	as specified in CEMS application
SO <sub>2</sub> Concentration	as specified in CEMS application
CO Concentration	as specified in CEMS application
CO <sub>2</sub> Concentration	as specified in CEMS application
O <sub>2</sub> Concentration	as specified in CEMS application
Stack Flow Rate*	as specified in CEMS application*
NO <sub>x</sub> Emission Rate	as specified in CEMS application
SO <sub>2</sub> Emission Rate	as specified in CEMS application
CO Emission Rate	as specified in CEMS application

**B.** The CEMS described above is subject to the following conditions:

- A new RATA test protocol must be submitted for District approval if RATA procedures differ from the previously approved CEMS certification test protocol.

- A schedule of RATAs for each calendar quarter must be provided at least two weeks prior to the beginning of each calendar quarter.
- The daily instrument calibration error check shall be performed by injecting calibration gases at the sample probe.
- The CEMS sample conditioning system shall achieve moisture and particulate removal without altering the concentration of the monitored gaseous contaminants. The monitored gaseous constituents exiting the sample conditioning system shall be maintained at or below a dew point of 37°F.
- The modified CEMS for Boilers 1 and 2 at Desert View Power, Inc. are considered to be **modified** CEMS for the purposes of compliance with Rules 218 and 218.1. Modified CEMS have different requirements from the existing CEMS under Rules 218 and 218.1 and must comply with the same set of requirements as new CEMS as defined by Rules 218 and 218.1. CEMS modified after May 14, 1999 are considered modified CEMS and shall be maintained and operated according to the provisions of Rule 218, Sections (b), (c), (e), (f) and (g), and the requirements of Rule 218.1, Sections (b) and (d).

If any aspect of your CEMS QA/QC is changed in the future, the QAP shall be updated and the updated portions submitted to the District within 15 days of the change. However, no QA/QC tasks shall be removed from the approved QAP without District review and approval. QA/QC tasks, in addition to the approved plan may be implemented at once with proper documentation.

Evaluated By: Michael A. Cecconi  
Michael A. Cecconi, Senior Air Quality Engineer  
Source Test Engineering  
South Coast Air Quality Management District  
2244 mcecconi@aqmd.gov

Desert View Power

XXDE-13-14 LA CA 900 M2



# South Coast Air Quality Management District

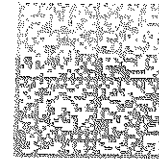
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